



API 2H 50 Steel Plate

Overview API 2H Grade 50

Considered the work horse grade in offshore applications, API 2H 50 has low sulfur (S5) and is produced in the normalized condition. Because of the low carbon content (.18 max), it has excellent welding characteristics and the Columbium aids as a stabilizing agent to carbide precipitation and creep in the weld effected zone. Most common application is for offshore structures / platforms, anchor support / suction piles, and tension and moment sensitivity environments.

Specifications

Specification	API 2H Grade 50
Type of Steel	Carbon
Requirements for Delivery	A6, A20
Tensile Strength (ksi)	70/90
Yield Strength (min. ksi) (Yield Point if designated YP)	50 TO 2 1/2" incl.; 47 over 2 1/2"
Spec. Thickness (Max. in.) Chemical Composition (%)	—
Carbon (Max.)	0.18
Manganese	1.15/1.60
Phosphorus (Max.)	.03
Sulfur (Max.)	.006
Silicon	.15/.40
Nickel (Max.)	*
Chromium (Max.)	*
Molybdenum (Max.)	*
Copper (Max.)	*
Other Elements	AI.02/.05
Heat Treatment Required	N